

Algae Toxin (Microcystin) Data Summary

Lake Okeechobee

Updated September 15, 2006

Station Identification	Date/Time Collected	Chlorophyll a mg/m ³	Flag	Microcystin LR Concentration Equivalents (µg/L)	Flag	Field Observations on Bloom
CLEW WI (near Clewiston Water Intake)	1/24/2006	16		<0.1	U	-
	2/23/2006	21.5		<0.1	U	-
	3/22/036 9:05	2.8	I	<0.1	U	-
	4/18/2006	7.3		<0.1	U	-
	5/3/2006	5.2		<0.1	U	light concentration in clumps on surface
	5/15/2006	6.9		<0.1	U	light concentration in clumps on surface and in water column
	6/20/2006	2.8	I	<0.1	U	blue green algae present on water surface as medium concentration streaks
	7/5/2006	14.4		<0.1	U	blue green algae present on water surface as light concentration clumps
	7/19/2006	10.8		<0.1	I	no blue green algae present
	8/2/2006	11.2		<0.1	U	blue green algae present on surface as light concentration streaks
	8/24/2006	5.9		<0.1	U	no blue green algae present
HP CAN (HARN) (Harney Pond Canal/Fisheating Creek mouth)	1/24/2006	9.3		<0.1	U	-
	2/23/2006	18.4		<0.1	U	-
	3/22/2006	21		<0.1	U	-
	4/18/2006	38.4		<0.1	U	-
	5/3/2006	14.7		<0.1	U	no blue green algae present
	5/15/2006	19.2		<0.1	U	light concentration in water column
	6/20/2006	9.3		<0.1	U	no blue green algae present
	7/5/2006	20		<0.1	U	no blue green algae present
	7/19/2006	11.2		<0.1	U	blue green algae present on surface in moderate concentration
	8/2/2006	106.8		<0.1	U	blue green algae present in water column in moderate concentration
	8/24/2006	26.7		0.3	I	blue green algae present in water column in light concentration and on surface as streaks
IP CAN (Indian Prairie Canal mouth)	1/24/2006	22		<0.1	U	-
	2/23/2006	15.4		<0.1	U	-
	3/22/2006	9.8		<0.1	U	-
	4/18/2006	23.4		<0.1	U	-
	5/3/2006	16.8		<0.1		no blue green algae present
	5/15/2006	8.5		<0.1	U	-
	6/20/2006	15		<0.1	U	blue green algae present on water surface as medium concentration streaks
	7/5/2006	11.2		<0.1	U	blue green algae present on water surface as light concentration clumps
	7/19/2006	7.5		<0.1	U	blue green algae present on water surface as light concentration clumps
	8/2/2006	108.4		<0.1	U	blue green algae present in water column and on surface in heavy concentration streaks
	8/24/2006	19.8		<0.1	U	no blue green algae present

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KISS M (Kissimmee River mouth)	1/24/2006	8.8		<0.1	U	-
	2/23/2006	13.8		<0.1	U	-
	3/22/2006	6.1		<0.1	U	-
	4/18/2006	12		<0.1	U	-
	5/3/2006	7.3		<0.1	U	no blue green algae present
	5/15/2006	9.6		<0.1	U	light concentration in streaks on surface and in water column
	6/20/2006	10.8		<0.1	U	blue green algae present on water surface as medium concentration streaks
	7/5/2006	7.2		<0.1	U	blue green algae present on water surface as medium concentration clumps
	7/19/2006	7.5		<0.1	U	no blue green algae present
	8/2/2006	3.3	I	<0.1	U	blue green algae present in water column as very light concentration
PAH WI (near Pahokee Water Intake)	1/24/2006	10.7		<0.1	U	-
	2/23/2006	38.4		<0.1	U	-
	3/20/2006	5.9		<0.1	U	-
	4/18/2006	20.8		<0.1	U	-
	5/3/2006	4.4		<0.1	U	no blue green algae present
	5/15/2006	1.9	I	<0.1	U	no blue green algae present
	6/20/2006	3.7	I	<0.1	U	no blue green algae present
	7/5/2006	5.2		<0.1	U	blue green algae present on water surface as light concentration clumps
	7/19/2006	16.7		<0.1	U	no blue green algae present
	8/2/2006	11.2		<0.1	U	no blue green algae present
TAYLOR (Taylor Creek mouth)	8/24/2006	9		<0.1	U	blue green algae present in water column as medium concentration
	1/24/2006	8		<0.1	U	-
	2/23/2006	22.4		<0.1	U	-
	3/22/2006	7.3		<0.1	U	-
	4/18/2006	13.4		<0.1	U	-
	5/3/2006	5.3		<0.1	U	no blue green algae present
	5/15/2006	11.7		<0.1	U	heavy concentration in streaks on surface and in water column
	6/20/2006	4.4		<0.1	U	no blue green algae present
	7/5/2006	6.9		<0.1	U	blue green algae present on water surface as medium concentration clumps
	8/3/2006	9.2		<0.1	U	no blue green algae present
	8/24/2006	8.4		<0.1	U	

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OKEE WI (near Okeechobee Water Intake)	1/24/2006	11.7		<0.1	U	-
	2/23/2006	14.7		<0.1	U	-
	3/22/2006	9.3		<0.1	U	-
	4/18/2006	23.5		<0.1	U	-
	5/3/2006	8.9		<0.1	U	no blue green algae present
	5/15/2006	17.1		<0.1	U	no blue green algae present
	7/5/2006	7.5		<0.1	U	no blue green algae present
	8/3/2006	5.6		<0.1	U	no blue green algae present
BG WI (near Belle Glade Water Intake)	5/15/2006	4.6		<0.1	U	no blue green algae present
	7/5/2006	8.5		<0.1	U	no blue green algae present
	7/19/2006	6.4		<0.1	U	no blue green algae present
	8/24/2006	10.3		<0.1	U	no blue green algae present
SB WI (near South Bay Water Intake)	1/24/2006	8		<0.1	U	-
	2/23/2006	8.8		<0.1	U	-
	3/20/2006	10.3		<0.1	U	-
	5/3/2006	10.7		<0.1	U	-
	5/15/2006	6.4		<0.1	U	no blue green algae present
	7/5/2006	12.6		<0.1	U	no blue green algae present
	7/19/2006	9.2		-		no blue green algae present
	8/2/2006	11.7		<0.1	U	no blue green algae present
S352 (lake side of the S352 structure, at intersection of Herbert Hoover Dike and West Palm Beach Canal)	8/24/2006	11.2		<0.1	U	no blue green algae present
	1/17/2006	8		<0.1	U	-
	2/22/2006	6.1		<0.1	U	no blue green algae visible
	3/7/2006	4.8		<0.1	U	no blue green algae visible
	4/4/2006	6.4		<0.1	U	-
	5/2/2006	5.9		<0.1	U	no blue green algae present
	5/16/2006	15		<0.1	U	no blue green algae present
	5/30/2006	5.2		<0.1	U	-
	6/13/2006	3.9	I	<0.1	U	no blue green algae present
	6/27/2006	-		<0.1	U	no blue green algae present
	7/5/2006	3.7	I	<0.1	U	no blue green algae present
	7/17/2006	17.6		<0.1	U	no blue green algae present
	8/7/2006	5		<0.1	U	-
C10A (CULV10A) (lake side of structure CULV10A, intersection of Levee 8 and U.S. Highway 441)	8/21/2006	1.5	I	<0.1	U	no blue green algae present
	1/17/2006	11.2		<0.1	U	-
	2/22/2006	7.7		<0.1	U	no blue green algae visible
	3/7/2006	3.1	I	<0.1	U	no blue green algae visible
	4/4/2006	5.6		<0.1	U	-
	5/2/2006	7.1		<0.1	U	no blue green algae present
	5/16/2006	6.4		<0.1	U	no blue green algae present
	5/30/2006	3	I	<0.1	U	-
	6/13/2006	4.5		<0.1	U	no blue green algae present
	6/27/2006	-		<0.1	U	no blue green algae present
	7/5/2006	3.3	I	<0.1	U	no blue green algae present
	7/17/2006	24.6		<0.1	U	no blue green algae present
	8/7/2006	4.8	J	0.2	I	-
	8/21/2006	4.8		<0.1	U	no blue green algae present

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S308 (S308C) (lake site of S308 structure, intersection of Hebert Hoover Dike and the St. Lucie River)	1/17/2006	11.7		<0.1	U	-
	2/22/2006	6.1		<0.1	U	no blue green algae visible on surface or water column
	3/7/2006	3.1	I	<0.1	U	no blue green algae visible
	4/4/2006	8.8		<0.1	U	-
	5/2/2006	3.9	I	<0.1	U	no blue green algae present
	5/16/2006	6.7		<0.1	U	light concentration in clumps on surface
	5/30/2006	6.4		<0.1	U	-
	6/13/2006	3.3	I	<0.1	U	no blue green algae present
	6/27/2006	-		<0.1	U	no blue green algae present
	7/5/2006	3.3	I	<0.1	U	no blue green algae present
	7/17/2006	7.5		<0.1	U	no blue green algae present
	8/7/2006	2.9	I	<0.1	U	-
S77 (lake site of S77 structure and lock)	8/21/2006	4.4		<0.1	U	no blue green algae present
	1/17/2006	1.3	I	<0.1	U	-
	2/22/2006	8.2		<0.1	U	no blue green algae visible
	3/7/2006	7.2		<0.1	U	no blue green algae visible
	4/4/2006	19.2		<0.1	U	-
	5/2/2006	8.4	J	0.2	I	no blue green algae present
	5/16/2006	8.7		<0.1	U	no blue green algae present
	5/30/2006	5.6		1.7		-
	6/13/2006	13.4		<0.1	U	no blue green algae present
	6/27/2006	6.4		<0.1	U	no blue green algae present
	7/5/2006	38.4		<0.1	U	blue green algae present in water column in light concentration
	7/17/2006	12.8		<0.1	U	no blue green algae present
	8/7/2006	130.7		5		blue green algae present in water column in heavy concentration and on surface as streaks
	8/21/2006	19.1		2.5		blue green algae present in water column in light concentration and on surface as streaks

Flagged data is due to accuracy and precision issues. The flags indicate quality control parameters which fell outside what is normally accepted for this analyte. Appropriate caution should be used in interpreting the data. Data table lists only sites sampled.

Flag:

J = failed quality control criteria for accuracy or precision

Q = time between collection and analysis exceeded criteria

I = result is between the laboratory minimum detection limit and the laboratory practical quantitation limit

U = result is undetected at the minimum detection limit